Certified Trenching and Excavation Competent Person Administrator

Course Credentials: CTECPA)

Course Credential: CHTS-Trainer Course Duration: 40:00 hours.

Course Fees: $2195.00
IASHEP Members Fee: $1795:00

CEUs: 5:00

Continuing Education Units:

Five (5.0) CEUs are offered for this course. As an IACET Accredited Provider, IASHEP offers IACET CEUs for its learning events that comply with the ANSI/IACET Continuing Education and Training Standard. CEUs will be reflected on the certificate upon course completion and examination completion. Partial credit or adjusted CEUs will not be awarded for individuals who do not successfully meet the IACET requirements for issuing CEUs.

Module 1: Introduction to Trenching and Excavation Safety Standards (4 hours)

- **Objective**: Understand and apply the standards for trenching and excavation safety.
    - Review ANSI A10.12-2022 and ANSI Z490.1 requirements.
    - **Topics Covered**:
        - Overview of ANSI A10.12-2022 safety requirements.
        - Scope of ANSI Z490.1 and its application in training.
        - Overview of ANSI/ASSE Z359.2 for fall protection.

Module 2: Competent Person Responsibilities (6 hours)

- **Objective**: Identify and fulfill the duties of a competent person as per ANSI A10.12-2022.
    - **Topics Covered**:
        - Key responsibilities of a competent person in excavation.
        - Identifying trench and excavation hazards.
        - Developing excavation and trenching plans.
        - Inspection requirements for trenching and excavation equipment.
    - **Activity**: Case study review on identifying and addressing excavation hazards.

Module 3: Designing and Implementing an Excavation Safety Program (4 hours)

- **Objective**: Learn the components of a robust excavation safety program.
    - **Topics Covered**:
        - Elements of a comprehensive excavation safety program.
        - Hazard assessment, utility location, and permitting.
        - Implementing protections for workers (e.g., shielding, sloping).
    - **Activity**: Group exercise on designing a site-specific excavation safety plan.

Module 4: Worker Protection and Hazard Control Measures (6 hours)

- **Objective**: Apply controls to protect workers from common trenching and excavation hazards.
    - **Topics Covered**:
        - Fall prevention strategies in excavation.
        - Recognizing and mitigating cave-in hazards.
        - Confined space entry requirements.
        - Equipment setup and inspection criteria.
    - **Activity**: Hands-on demonstration and practice with trench protection systems.

Module 5: Adult Learning Principles and Effective Training Techniques (6 hours)

- **Objective**: Build effective training skills for adult learners in safety training.
    - **Topics Covered**:
        - Principles of adult learning (engagement, relevance, and practice).
        - Techniques for delivering safety training (e.g., storytelling, Q&A).
        - Building confidence and addressing learner concerns.
    - **Activity**: Develop and deliver a mini presentation on a trenching safety topic.

Module 6: Online Delivery of Trenching and Excavation Training (4 hours)

- **Objective**: Design and manage trenching and excavation training for online environments.
    - **Topics Covered**:
        - Meeting OSHA's technology and competency guidelines for online training.
        - Best practices for delivering training remotely.
        - Methods to evaluate online training effectiveness.
    - **Activity**: Workshop on adapting in-person content for online delivery.

Module 7: Program Development – Designing a Trenching & Excavation Training Session (4 hours)

- **Objective**: Create and present a training session on trenching and excavation hazards.
    - **Topics Covered**:
        - Structuring training content based on ANSI standards.
        - Integrating OSHA guidelines and interactive elements.
        - Evaluating learner outcomes and knowledge retention.
    - **Activity**: Each student will develop and present a training module on an assigned excavation safety topic.

Module 8: Evaluation and Administration of Trenching Training Programs (6 hours)

- **Objective**: Manage and assess trenching and excavation training programs effectively.

- **Topics Covered**:
  - Administering a compliant training program.
  - Tracking and evaluating training effectiveness.
  - Record-keeping and compliance requirements.
- **Activity**: Students evaluate a mock training session, identifying areas for improvement.

Module 9: Final Presentations and Program Review (4 hours)

- **Objective**: Present and critique a short training program on trenching hazards.
  - **Topics Covered**:
    - Peer presentations and Q&A sessions.
    - Feedback and review of each presentation.
    - Instructor guidance and final assessments.
  - **Activity**: Each student will deliver their program and respond to peer questions, demonstrating mastery of the course objectives.

Evaluation and Certification

- Students must pass a written assessment and complete their presentation to achieve certification.
- Certification confirms the completion of training and the skills necessary to deliver trenching and excavation training under ANSI and OSHA guidelines.

Education:

Bachelor's degree in engineering, chemistry or physics OR a bachelor’s degree in a closely related biological or physical science from an

accredited college or university. Three (3) years of acceptable work experience may be substituted for each year of an academic degree program (i.e. Twelve years of experience is equivalent to a bachelor's degree).

Work Experience:

Three (3) years of experience where at least 30% of your work is directly related to working in safety, industrial hygiene, or the environment is performed in this field. Education cannot be substituted for work experience. Please note: This requirement is in addition to the expertise used instead of education.

Other Experience:

Documented GED / Apprentice Certificate Completion / On-The-Job / Skills Training / or AA / BSc / BA in safety management or similar field. Certificates in occupational health and safety from OSHA or an authorized OSHA Training Institute Education Center (OTIEC), NEBOSH, National Safety Institute, Military Specialty Ratings (ARMY, NAVY, Marines, Coast Guard, Air Force, Space Force, & Reserves, National Guard, or similar training organizations from other countries will be considered.

Recertification:

A refresher examination is required every three (3) years to maintain certification. The cost for recertification is $395.00

It's crucial to understand that this course is not just any course. It's aligned with the highest industry standards. As an IACET Accredited Provider, IASHEP offers Continuing Education Units (CEUs) for its learning events that comply with the ANSI/IACET Continuing Education and Training Standards.

The International Accreditors approve IASHEP for Continuing Education & Training (IACET). The International Accreditors for Continuing Education and Training (IACET) is the developer of the original Continuing Education Unit (CEU) and today ensures that providers of continuing education and training can prove they provide high-quality instruction by following the ANSI/IACET 1-2018 Standard for Continuing Education and Training through a rigorous accreditation process. The Standard is a universal model for learning process excellence. It defines a proven model for developing effective and valuable continuing education and training

(CE/T) programs by measuring a provider's training program from procedure to process to result.

Because the ANSI/IACET Standard focuses on how continuing education and training programs are developed - not what they cover - it provides a certifiable framework of researched and proven best practices that can be applied across disciplines and industries. It measures all aspects of a CE/T provider's program development across nine nationally recognized categories. This has allowed for the ANSI/IACET Standard for Continuing Education and Training to be recognized as the official standard for CE/T in the world.

For more information or to register for this course, please visit www.iashep.org and complete the course enrollment form. If you have any questions, please contact the IASHEP Training Administrator at (612 - 801-1032).